

Appendix E2a.ii (2) – Restoration Plans and TMDLs (Restoration Inspections)

Harford County Government
DEPARTMENT OF PUBLIC WORKS
STORM WATER MANAGEMENT REPORT
212 SOUTH BOND STREET BEL AIR, MARYLAND 21014
PHONE: 410-638-3563/3127/3128 FAX: 410-638-4815

Purpose: Maintenance
SWM: SWML-019726-2016
Billing Number: 99978

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Anita C. Leight Estuary Center Micro-bioretenion 1
Site Address: 618 Otter Point Rd, Abingdon, MD 21009

Site Location: Anita C. Leight Estuary Center

Description: Anita C. Leight Estuary Center Micro-bioretenion 1

Owner Name: Harford County Maryland

Owner Address: 220 South Main St, Bel Air, MD 21014

Facility Type: Micro-Bioretenion

BMPid:

Overall Notes:

Mulch is eroding along slopes.

Overgrown dead vegetation was noted.

Comments/Corrections

Trim dead vegetation.

Re-mulch as per plan.

It is requested that the described actions be performed within thirty days of this notification so as to bring this facility in compliance with Harford County's Storm Water Management Regulations. Please contact our office at 410-638-3545, ext. 2435, or email at scortese@harfordcountymd.gov if there should be any questions and to schedule a re-inspection once the work has been completed.

Inspection Date: March 2, 2021

Re-inspection Date: June 2, 2021

Site Rating: 2

Inspected: scortese_HarfordGIS

Photo 1



Description
Overall

Photo 2



Description
Inside stormdrain

Photo 3



Description
Mulch eroding; restore as per plan

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Purpose: Maintenance
SWM:SWML-019726-2016
Billing Number: 99978

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Anita C. Leight Estuary Center Micro-bioretenction 2
Site Address: 618 Otter Point Rd, Abingdon, MD 21009

Site Location: Anita C. Leight Estuary Center

Description: Anita C. Leight Estuary Center Micro-bioretenction 2

Owner Name: Harford County Maryland

Owner Address: 220 South Main Street, Bel Air, MD 21014

Facility Type: Micro-Bioretenction

BMPid:

Overall Notes:

Mulch appears to be eroding along slopes.

Comments/Corrections:

Restore as per plan; refurbish mulch as needed.

Remove dead vegetation and replant to plan.

It is requested that the described actions be performed within thirty days of this notification so as to bring this facility in compliance with Harford County's Storm Water Management Regulations. Please contact our office at 410-638-3545, ext. 2435, or email at scortese@harfordcountymd.gov if there should be any questions and to schedule a re-inspection once the work has been completed.

Inspection Date: March 2, 2021

Re-inspection Date: June 2, 2021

Site Rating: 2

Inspected: scortese_HarfordGIS

Photo 1



Description

Overall

Photo 2



Description

Mulch eroding along slopes

Photo 3



Description

Inflow pipe

Harford County Government
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Purpose: Maintenance
SWM:SWML-020441-2016
Billing Number: 99935

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Country Walk 1A
Site Address: W Wheel Rd and S Tollgate Rd

Description: Country Walk 1A

Owner Name: Country Walk Community Association
Owner Address: C/O MRA Property Management

Management Company Address: 3103 Emmorton Road Abingdon, MD 21009

Facility Type: Retention Pond (Wet Pond)
BMPid:

Overall Notes

There is seepage into the riser; check dam orifice plate clogged; fallen vegetation in channel; outflow pipe has rusted through; perforated pipe clogged

Comments/Corrections

Repair the riser and remove debris from the orifice plate.
Remove vegetation from the channel and unclog the dewatering pipe.

Harford County Highways will be notified of holes throughout outfall pipe .

It is requested that the described actions be performed so as to bring this facility in compliance with Harford County's Storm Water Management Regulations. Please contact our office at 410-638-3545, ext. 2435, or email at cjoyce@harfordcountymd.gov if there should be any questions and to schedule a re-inspection once the work has been completed.

Note: Report sent to wrong address shown on SDAT. Resent 12/2021

Inspection Date: March 23, 2021 Reinspection Date: 2/28/2023 Mailed: Site Rating: 4

Inspected cferguson_HarfordGIS

Photo 1



Description
Overall

Photo 2



Description
Erosion from Wheel Rd

Photo 3



Description
Erosion

Photo 4



Description
Concrete check dam; orifice plate clogged

Photo 5



Description
Closeup of orifice

Photo 6



Description
Fallen vegetation in channel

Photo 7



Description
Inflow

Photo 8



Description
Volunteer growth restricting channel flow; remove

Photo 9



Description

Stormdrain outfall obstructed with vegetation

Photo 10



Description

Inflow ; trash

Photo 11



Description

Low flow choked

Photo 12



Description

Riser debris; depression in front

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Purpose: Maintenance
SWM:000187-2016
Billing Number: 000187-2016

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Festival at Bel Air
Site Address: 5 bel air south pky

Site Location: Off parking lot by the
rite aid

Description: Festival at Bel Air

Owner Name: CH realty Bel Air festival LLC
Owner Address: 3819 Maple Ave

Facility Type: Extended Detention Structure, Wet
BMPid:

Overall Notes

Facility is completely overgrown. Could not inspect all elements of the pond. The gate was misaligned.

Comments/Corrections

Clear out the pond to make all elements accessible for reinspection. Align the gate.

It is requested that the described actions be performed within thirty days of this notification so as to bring this facility in compliance with Harford County's Storm Water Management Regulations. Please contact our office at 410-638-3545, ext. 2435, or email at cjoyce@harfordcountymd.gov if there should be any questions and to schedule a re-inspection once the work has been completed.

Code.

Inspection Date: May 27, 2021

Reinspection Date: August 27, 2021

Mailed:

Site Rating: 1

Inspected jwatts_HarfordGIS

Photo 1



Description

Overall

Photo 2



Description

Curb cut inflow

Photo 3



Description

Misaligned gate

Photo 4



Description

ES2

Photo 5



Description
ES3

Photo 6



Description
Riser

Photo 7



Description
Overall

Harford County Government
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Purpose: Maintenance
SWM:10-99863-001
Billing Number: 99863

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Forest Hill Elementary Bioretention 1
Site Address: 2407 Rocks Road

Site Location: Median strip
Description: Forest Hill Elementary Bioretention 1

Owner Name: Harford County Board of Education
Owner Address: C/O HCPS 2209 Conowingo Road Bel Air MD 21014

Facility Type: Bioretention
BMPid:

Overall Notes:
Top of control structure has shifted from the pedestal. There is leaf accumulation within the median.
The mulch is compacted.

Comments/Corrections:
Realign the top of the control structure.
Remove leaf debris from median.
Loosen the surface of mulch.

It is requested that the described actions be performed within thirty days of your receipt of this notification so as to bring this facility in compliance with Harford County's Storm Water Management Regulations. Please contact our office at 410-638-3545, ext. 2435, or email at scortese@harfordcountymd.gov if there should be any questions and to schedule a re-inspection once the work has been completed.

Inspection Date: December 1, 2020 Re-inspection Date: 4/20/2021 Site Rating: 1

Inspected: scortese_HarfordGIS

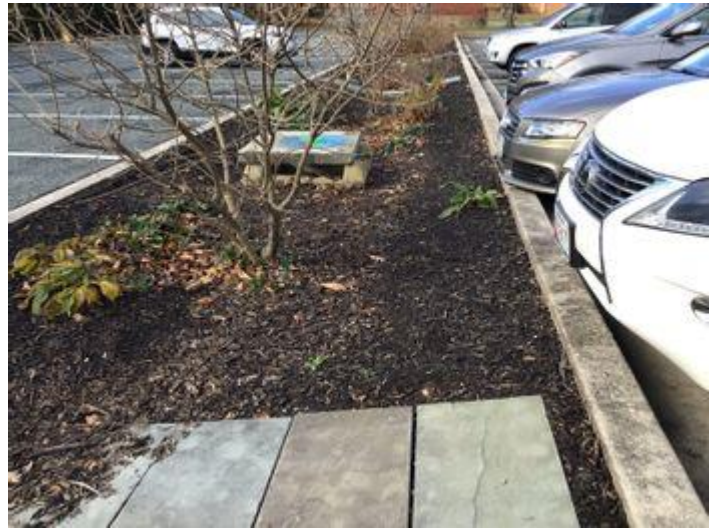
Photo 1



Description

Overview bio retention median

Photo 2



Description

Top of control structure has shifted from pedestal

Photo 3



Description

Leaf accumulation

Photo 4



Description

Mulch is packed tight on the surface

Photo 5



Description

Overview 2nd control box

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Purpose: Maintenance
SWM:
Billing Number:

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Forest Hill Elementary Bioretention 2
Site Address: 2407 Rocks Road

Site Location: Edge of parking lot
Description: Forest Hill Elementary Bio retention 2

Owner Name: Harford County Board of Education
Owner Address: C/O HCPS Facilities and Operations Bel Air, MD 21014

Management Address:
Company

Facility Type: Bioretention
BMPid:

Overall Notes:
No sheet flow from parking lot; sediment and vegetation obstructing flow.
Hard packed surface and scarce plantings.
HDPE outfall obstructed by vegetation and leaves.
Control box -weir elevation is equal to bottom elevation.

Comments/Corrections
Provide sheet flow into the facility.
Scarify surface and apply fresh mulch.
Install plantings as per plan.
Check the plans for correct weir elevations.

It is requested that the described actions be performed within thirty days of your receipt of this notification so as to bring this facility in compliance with Harford County's Storm Water Management Regulations. Please contact our office at 410-638-3545, ext. 2435, or email at scortese@harfordcountymd.gov if there should be any questions and to schedule a re-inspection once the work has been completed.

Inspection Date: December 1, 2020 Re-inspection Date: 4/20/2021 Site Rating: 2

Inspected: scortese_HarfordGIS

Photo 1



Description

View along parking lot.

Photo 2



Description

Overview

Photo 3



Description

HDPE pipe

Photo 4



Description

Control box no storage

Photo 5



Description

Overview

Photo 6



Description

Overview of 3rd bio retention segment

Harford County Government
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Purpose: Maintenance
SWM:0399681001
Billing Number: 99681

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Hartford Center Lower Bioretention
Site Address:
Site Location: 4 Earlton Rd.
Description: Hartford Center Lower Bioretention

Owner Name: Harford County Owner Address: 220 South Main Street

Management Address:
Company

Facility Type: Bioretention

Overall Notes
Volunteer growth and leaf accumulation.

Comments/Corrections
Remove weeds and leaves as part of next scheduled spring maintenance.

The facility is in accordance with Harford County's stormwater management regulations. The owner is required to inspect the facility at least twice a year and records should be kept by the owner. Please continue to perform the maintenance as required per Harford County Code.

Inspection Date: Oct 2, 2020 Reinspection Date: 10/2/2023 Mailed: Site Rating: 0

Inspected: scortese_HarfordGIS Date: 10/2/2020

Photo 1



Description

Overview

Harford County Government
DEPARTMENT OF PUBLIC WORKS
STORM WATER MANAGEMENT REPORT
212 SOUTH BOND STREET BEL AIR, MARYLAND 21014
PHONE: 410-638-3563/3127/3128 FAX: 410-638-4815

Purpose: Maintenance
SWM:03-99681-001
Billing Number: 99681

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Harford Center Upper Bioretention
Site Address: Earlton Road
Site Location: 4 Earlton Road
Description: Harford Center Upper Bioretention

Owner Name: Harford County Owner Address: 220 South Main Street

Management Address:
Company

Facility Type: Bioretention

Overall Notes
A lot of volunteer growth and leaf accumulation.

Comments/Corrections
Remove weeds and leaves as part of next scheduled spring maintenance.

The facility is in accordance with Harford County's stormwater management regulations. The owner is required to inspect the facility at least twice a year and records should be kept by the owner. Please continue to perform the maintenance as required per Harford County Code.

Inspection Date: Oct 2, 2020 Reinspection Date:10/2/2023 Mailed: Site Rating: 0

Inspected scortese_HarfordGIS

Photo 1



Description

View of bioretention

Harford County Government
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212 SOUTH BOND STREET BEL AIR, MARYLAND 21014
PHONE: 410-638-3563/3127/3128 FAX: 410-638-4815

Purpose: Maintenance
SWM:03-99681-001
Billing Number: 0

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Harford Center Pocket Wetland
Site Address: Earlton Road
Site Location: 4 Earlton Road
Description: Harford Center Pocket wetland

Owner Name: Harford County

Owner Address: 220 South Main St Bel Air, MD 21014

Management
Company

Address:

Facility Type: Pocket Wetland

Overall Notes

Spillway is restricted by tall vegetation.

Comments/Corrections

Cut the vegetation on both sides of the stone spillway.

It is requested that the described actions be performed within thirty days of this notification so as to bring this facility in compliance with Harford County's Storm Water Management Regulations. Please contact our office at 410-638-3545, ext. 2435, or email at cjoyce@harfordcountymd.gov if there should be any questions and to schedule a re-inspection once the work has been completed.

Inspection Date: Oct 2, 2020

Re-inspection Date: 1/15/2021

Mailed:

Site Rating: 1

Inspected cjoyce_HarfordGIS



Photo 1



Description
View of pond

Photo 2



Description
View of stone spillway

Harford County Government
DEPARTMENT OF PUBLIC WORKS
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PHONE: 410-638-3563/3127/3128 FAX: 410-638-4815

Purpose: Maintenance
SWM:0499691001
Billing Number: 99691
Tax ID: 01160443

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Laurel valley storm water retrofit
Site Address: 0 Merrick Way

Owner Name: Laurel Valley HOA
Owner Address: PO Box 767

Management MRA Property Management
Company

Address: 3103 EMMORTON RD, ABINGDON, MD 21009

Facility Type: Retention Pond (Wet Pond)
BMPid:

Overall Notes

There is debris and vegetation around the riser.
There is vegetation in the emergency spillway.
The stormdrain outfall is overgrown.
The principal spillway outfall pipe is damaged.

Comments/Corrections

Remove the debris and vegetation within 25 feet of the riser.
Remove the vegetation from the emergency spillway.
Remove the vegetation from the stormdrain outfall.
The principal spillway outfall pipe must be replaced.

An inspection of the stormwater management facility was performed on June 22, 2021. It was determined during this inspection that the principal spillway pipe required replacement. The process, through DPW, is as follows:

The owner contracts with a Maryland licensed PE engineer to submit repair plans to Harford County Stormwater Management for review and approval. This engineer will also provide inspection services and an engineer signed and sealed as-built plan to our office.

Digital plans of the original drawings may be obtained from Tammy Mikkonen, tmikkonen@harfordcountymd.gov.

The engineer will redline the drawings to reflect current material specifications, construction sequence, as-built repair certifications, and any sediment controls that may be needed. These drawings will accompany a transmittal form (obtained from Tammy) and submitted to the attention of Robert Anderson, P.E., chief engineer for stormwater management. This submission must be noted as a repair.

Upon plan approval, the owner or his engineer must obtain services from a geo-technical company for soil analysis and compaction of the dam. The geotech will monitor the compacted fill over and around the principal spillway.

If the land disturbance is less than 30,000 square feet, a standard plan permit may be used in lieu of a grading permit. Presently, the permit fee is \$100.

Replacement of the principal spillway will require a stormwater management permit but sans a bond. There is no fee attached to this permit. Both permit applications may be obtained from Tammy Mikkonen.

The owner will hire a contractor to perform the pipe replacement. The geotech will monitor and record the compaction and materials during construction. The engineer or his representative will be required to inspect and maintain quality control throughout the project.

Upon completion, the engineer will submit signed as-built plans, inspection reports, material invoices, and other requested documentation to Robert Anderson for final as-built approval.

County representatives will periodically stop by the site to ensure that geotechnical person is onsite and proper installation procedures are being followed by the contractor.

Please feel free to contact our office at 410-638-3545, ext. 2435, or email at cjoyce@harfordcountymd.gov if there should be any additional questions.

Inspection Date: June 22, 2021 Reinspection Date: September 22, 2021 Mailed: Site Rating: 4

Inspected TateSamson_HarfordGIS

Photo 1



Description
Overall west side

Photo 2



Description
Stormdrain outfall overgrown

Photo 3



Description
Riser

Photo 4



Description
Emergency spillway

Photo 5



Description

Gabion weir

Photo 6



Description

Outfall pipe

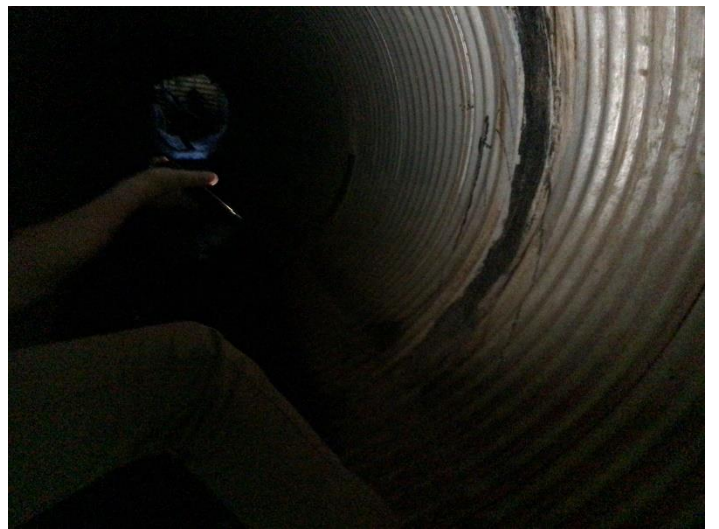
Photo 7



Description

Inside of the Principal spillway outfall pipe

Photo 8



Description

Inside of the Principal spillway outfall pipe

Photo 9



Description

Inside of the Principal spillway outfall pipe

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Purpose: Maintenance
SWM:1199856001
Billing Number: 99856
Tax ID: 01199439

STORM WATER MANAGEMENT INSPECTION REPORT

Project: Woodbridge Center Phase 3 Retrofit
Site Address: Hanson Road

Site Location: Hanson Road @ Rte 152
Description: Woodbridge Center Retrofit

Owner Name: Woodbridge Center Homeowners Association Inc
Owner Address: PO Box 859 Edgewood, MD 21040

Management
Company

Address:

Facility Type: Extended Detention Structure, Wet
BMPid:

Overall Notes

The gate is broken .

Woody vegetation on upstream dam slope and fence and within the riser's perimeter. The pilot channel is overgrown overgrown.
Incomplete inspection due to overgrowth.

Comments/Corrections

Repair the gate.

Remove woody vegetation from the dam and fence.

Remove overgrowth from the pilot channel and ensure positive flow from the storm drain outfall to the riser.

Mow the dam and access area so that an inspection may be performed.

It is requested that the described actions be performed within thirty days of this notification so that an inspection may be performed..

Please contact our office at 410-638-3545, ext. 2435, or email at scortese@harfordcountymd.gov if there should be any questions and to schedule a re-inspection once the work has been completed.

Inspection Date: December 3, 2020 12:00 PM

Reinspection Date: 5/05/2021

Site Rating: 2

Inspected scortese_HarfordGIS

Photo 1



Description
Overview

Photo 2



Description
Upstream dam slope

Photo 3



Description
Riser overgrown